



# WG Name: OHDSI NLP Workgroup

WG Lead: Hua Xu

1. Objective 1 : revise representation of textual data in OMOP CDM (Note\_NLP) and develop user guide
2. Objective 2 : develop multiple NLP tools to extract, transform, and load textual data
3. Objective 3 : conduct at least two multi-site clinical studies that utilize both structured and textual data
4. Objective 4: continuous community engagement



# WG Name: OHDSI NLP Workgroup

Objective 1 : revise representation of textual data in OMOP CDM (Note\_NLP) and develop user guide

## Key results:

Task	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Immediate modification to Note_NLP (Michael/Vipina)	Develop the proposal	Communicate it with CDM WG	Finalize the changes	
Plan on new intermediate tables (Hua)	Modifiers	Note type	Additional NLP features	Summary and proposal
A paper on OHDSI NLP solution: representation, ETL, use cases (Vipina/Hua)	Draft and submit	Revise	Publish	



# WG Name: OHDSI NLP Workgroup

Objective 2 : develop multiple NLP tools to extract, transform, and load textual data

Key results:

Task	Q1 2022	Q2 2022	Q3 2022	Q4 2022
At least four NLP tools that can directly generate Note-NLP outputs (Hongfang, Tim, Paul, Hua)	Tool 1	Tool 2	Tool 3	Tool 4
Sample scripts for transferring data from Note_NLP table to clinical event tables (Vipina)	Publish on NLP github			
Tool to normalize "note_type" (Karthik)	Define representation	Develop program	Publish on NLP github	Feedback and revise
Ananke 2.0 (ontology mapping)	In development	Release		



# WG Name: OHDSI NLP Workgroup

Object 3: conduct at least two multi-site clinical studies that utilize both structured and textual data

## Key results:

Task	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Characterizing Post-Acute Sequelae of SARS-CoV-2 Infection (Hua)	Initial results	Paper submission	Revise	Publish
Another study (e.g., replicating an existing OHDSI study with additional textual data) (Hongfang/Michael)	Protocol development and site recruitment	Initial results	Paper submission	Revision/Publish



# WG Name: OHDSI NLP Workgroup

Objective 4: continuous community engagement

Key results:

- Monthly meetings
- Invited presentations
- Project-specific meetings
- Forum QA on NLP implementation